**CONTINUING ELIGIBILITY INSPECTION (CEI) REPORT**
**FOR HURRICANE/SHORE PROTECTION PROJECTS**

1. Project Name: Kekaha Shore Protection Project

2. Date of Inspection: 11 October 2002

3. Inspection Personnel:

| | Name | Agency/Office | Telephone No. |
|---|---|---|---|
| a. | Dan Meyers | COE | 438-8875 |
| b. | Steven Kyono | State DOT/District Eng., Kauai | 274-3111 |

4. Discussion:

The project consist of 6,250 LF of rubble revetment (2 layers of 1.5 - 2.5 T armor stone) with a crest elevation of +12' MLLW. Mr. Kyono noted an additional length of revetment has recently been exposed as a result of recent high surf activity. The project was inspected from Sta. 0+00 thru Sta. 62+30.

Field References:

| | | |
|---|---|---|
| Begin Project | = | Sta. 0+00 |
| Akialoa Rd. | = | Sta. 21+00 |
| Akekeke Rd. | = | Sta. 32+00 |
| Amakihi Rd. | = | Sta. 40+00 |
| Alae Rd. | = | Sta. 48+00 |
| Kala Rd. | = | Sta. 61+00 |
| End Project | = | Sta. 62+30 |


a. Sta. 16+00, Overview, revetment crest visible, note sand erosion.


b. Sta. 20+00, Overview, revetment crest covered with sand, hinge visible, note sand erosion and debris line.


c. Sta. 21+00, Reset dislodged armor stone that is resting on the crest.


d. Sta. 24+00, Overview adjacent to Akialoa Rd. No damage to revetment, however there is evidence of overtopping.


e. Sta. 32+00, Adjacent to Akekeke Rd. No damage to revetment, however there is evidence of overtopping.


f. Sta. 40+00, Overview adjacent to Amakihi Rd.


g. Sta. 46+50, Newly exposed revetment, no damages noted.


h. Sta. 49+00, Newly exposed revetment, no damages noted.


i. Sta. 59+00, Revetment OK no changes noted.


j. Sta. 62+30, End of project, no changes noted, 500 lb. bedding layer exposed.

k. Continue to remove vines, woody vegetation and hale koa tree seedlings from the entire revetment structure as needed.

l. Continue to monitor the revetment for possible changes (movement/erosion) between Sta. 47+15 to Sta. 62+30.

5. Findings:

All deficiencies identified in last inspection have been corrected. The maintenance required on the project is primarily woody vegetation control and resetting one armor stone at Sta. 21+00+. Vegetation control is excellent and no major deficiencies were noted.

6. Conclusions:

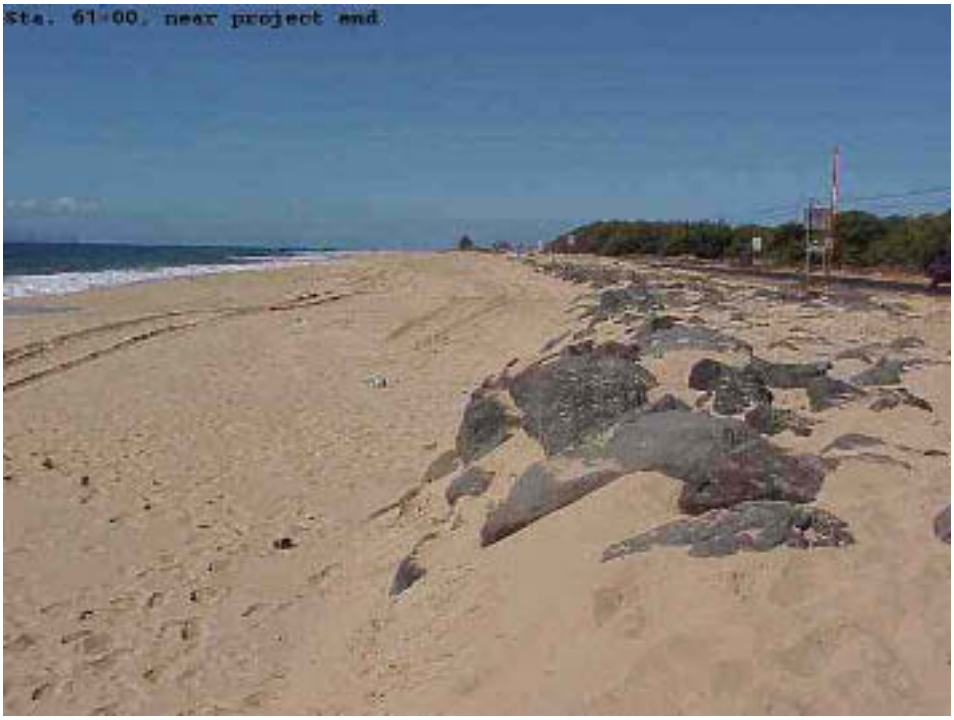
IAW ER 500-1-1, ( dtd 30 September 2001 ), and based on this CEI, the Project Condition Code is ACCEPTABLE and the Project Status is ACTIVE in the Rehabilitation and Inspection Program.

Signed: _____
Dan Meyers, CEPOH-EC-T

Signed: _____
James Pennaz, P.E., Ch, CEPOH-EC-T

Enclosure(s)
1. Nov 2000 Photos
2. Site Plans
3. Project Description

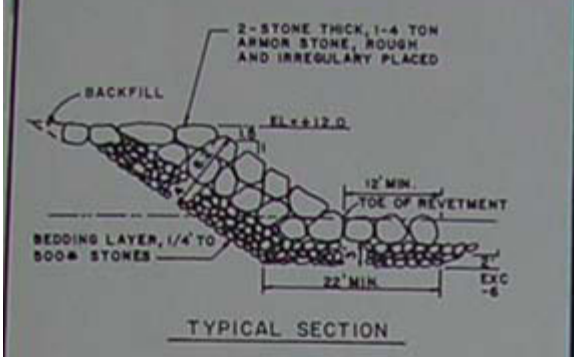

Sta. 59+00, November 2000




Sta. 61+00 (facing west 0+00) November 2000


Sta. 62+00 (facing east project end) November 2000

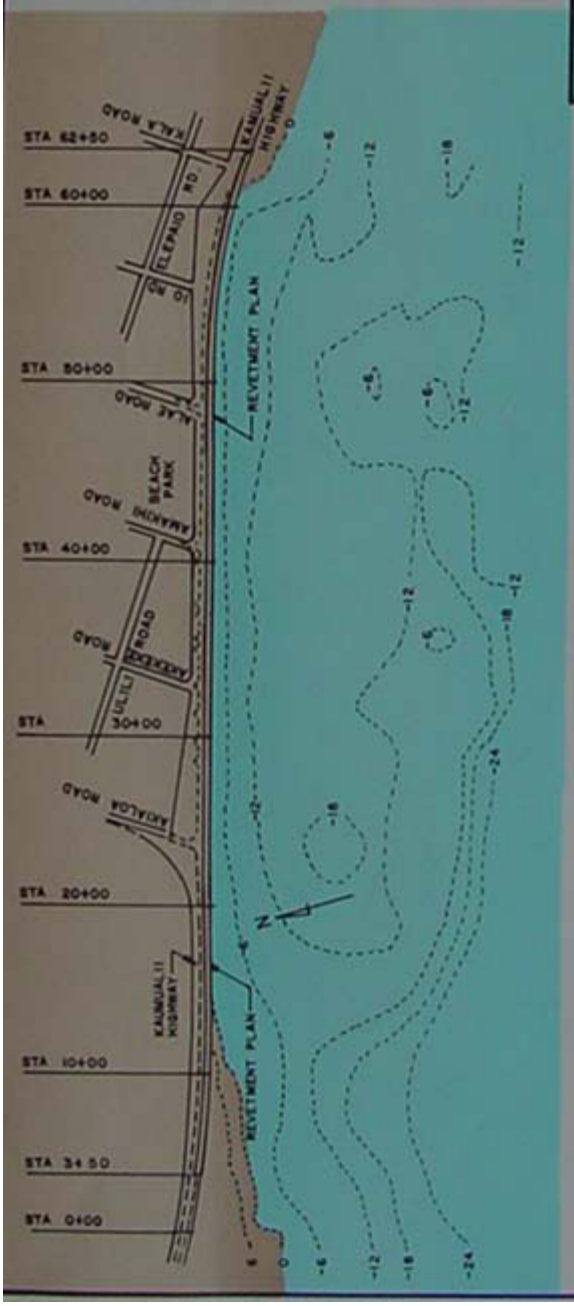

Sta. 62+00 November 2000




TYPICAL SECTION


LOCATION MAP
ISLAND OF KAUAI

5 0 5 10 15
SCALE IN MILES




PLAN
200' 0' 200' 400'
SCALE IN FEET

BEACH EROSION CONTROL

# KEKAHA BEACH

KAUAI, HAWAII

REVISED 30 SEP 1983
DATE AUTH: 5 JUL 1978

U.S. ARMY
ENGINEER DIVISION, PACIFIC OCEAN
CORPS OF ENGINEERS

## KEKAHA BEACH, KAUAI, HAWAII

**CONDITION OF IMPROVEMENT 30 SEPTEMBER 1989**

**PREVIOUS PROJECTS**: None.

**EXISTING PROJECT**: Authorized for construction on 5 July 1978 under Section 103a of the River and Harbor Act of 1962, as amended. Provides for construction of 6,250 feet of rubble revetment with a crest elevation of 12 feet MLLW and a slope of 1V to 1.5H, constructed of two layers of armor stones 1.5 to 2.5 ton, underlayer of 300-500-pound stone placed on a bedding of spalls to 50-pound stone.

**PROGRESS OF WORK**

**Completed and Under Maintenance**: The project was completed in May 1980. On 23 November 1982, Hurricane Iwa caused damages to the existing revetment. A construction contract for emergency repairs under Public Law 84-99 was completed in October 1983.

**Work Remaining**: None.

**COST OF CONSTRUCTION**:

| **Completed Works**: | New Work | Maintenance | Total |
|---|---|---|---|
| United States Funds | $ 931,600 | $375,000 | $1,306,600 |
| Contributed Funds (Required) | 1,672,524 | 0 | 1,672,524 |
| Total Costs | $2,604,124 | $375,000 | $2,979,124 |

**RANGE OF TIDES**: The range of tide between mean lower low water and mean higher high water is 1.6 feet.